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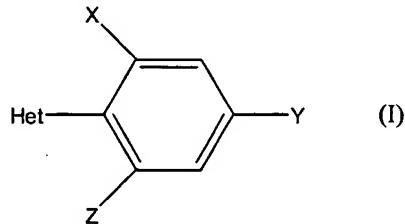
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AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended)

1. A compound Compounds of the formula (I)



in which

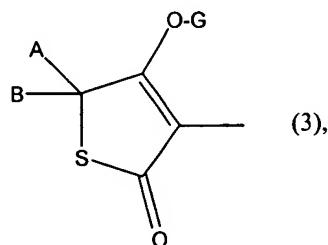
X represents halogen,

Y represents halogen or alkyl,

Z represents halogen or alkyl,

with the proviso that always one of the radicals Y and Z represents halogen and the other represents alkyl,

Het represents



in which

A represents hydrogen, or represents alkyl, alkenyl, alkoxyalkyl, polyalkoxyalkyl or alkylthioalkyl, each of which is optionally substituted by halogen, or represents in each

case saturated or unsaturated and optionally substituted cycloalkyl or heterocyclyl, or represents aryl, arylalkyl or hetaryl, each of which is optionally substituted by halogen, alkyl, halogenoalkyl, alkoxy, halogenoalkoxy, cyano or nitro,

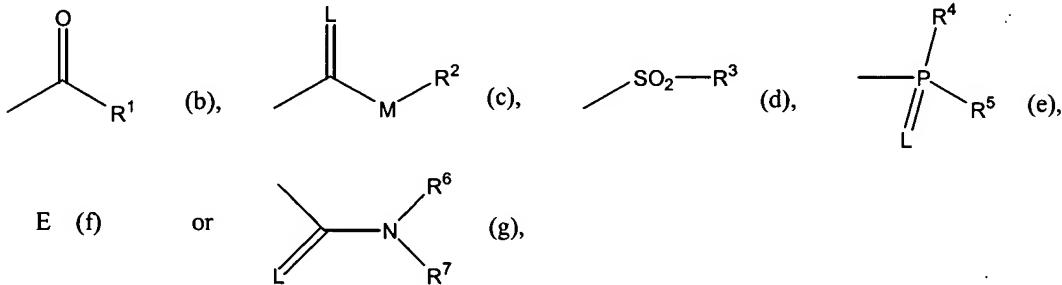
B represents hydrogen, alkyl or alkoxyalkyl, or

A and B together with the carbon atom to which they are bonded represent a saturated or unsaturated, optionally substituted carbocycle or heterocycle,

D represents hydrogen or an optionally substituted radical from the series consisting of alkyl, alkenyl, alkinyl, alkoxyalkyl, polyalkoxyalkyl, alkylthioalkyl, saturated or unsaturated cycloalkyl, saturated or unsaturated heterocyclyl, arylalkyl, aryl, hetarylalkyl or hetaryl, or

A and D together with the atoms to which they are bonded represent a saturated or unsaturated and optionally substituted carbocycle or heterocycle,

G represents hydrogen (a),



in which

E represents a metal ion equivalent or an ammonium ion,

L represents oxygen or sulphur,

M represents oxygen or sulphur,

R¹ represents alkyl, alkenyl, alkoxyalkyl, alkylthioalkyl or polyalkoxyalkyl, each of which is optionally substituted by halogen, or represents cycloalkyl or heterocyclyl, each of which is optionally substituted by halogen, alkyl or alkoxy, or represents in each case optionally substituted phenyl, phenylalkyl, hetaryl, phenoxyalkyl or hetaryloxyalkyl,

R² represents alkyl, alkenyl, alkoxyalkyl or polyalkoxyalkyl, each of which is optionally substituted by halogen, or represents in each case optionally substituted cycloalkyl, phenyl or benzyl,

R³, R⁴ and R⁵ independently of one another represent alkyl, alkoxy, alkylamino, dialkylamino, alkylthio, alkenylthio or cycloalkylthio, each of which is optionally substituted by halogen, or in each case represent optionally substituted phenyl, benzyl, phenoxy or phenylthio,

R⁶ and R⁷ independently of one another represent hydrogen, or represent alkyl, cycloalkyl, alkenyl, alkoxy or alkoxyalkyl, each of which is optionally substituted by halogen, or represent in each case optionally substituted phenyl or benzyl, or together with the N atom to which they are bonded represent an optionally substituted cycle which optionally contains oxygen or sulphur.

Claim 2 (currently amended)

2. Compound of the formula (I) according to claim 1 in which

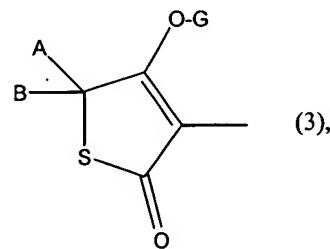
X represents halogen,

Y represents halogen or C₁-C₆-alkyl,

Z represents halogen or C₁-C₆-alkyl,

where always one of the substituents Y and Z represent halogen, while the other represents alkyl,

Het represents



A represents hydrogen, or represents C₁-C₁₂-alkyl, C₂-C₈-alkenyl, C₁-C₁₀-alkoxy-C₁-C₈-alkyl, poly-C₁-C₈-alkoxy-C₁-C₈-alkyl or C₁-C₁₀-alkylthio-C₁-C₆-alkyl, each of which is optionally substituted by halogen, or represents C₃-C₈-cycloalkyl which is optionally substituted by halogen, C₁-C₆-alkyl or C₁-C₆-alkoxy and in which one or two methylene groups which are not directly adjacent are optionally replaced by oxygen and/or sulphur, or represents phenyl, naphthyl, phenyl-C₁-C₆-alkyl or hetaryl having 5 or 6 ring atoms and one to three hetero atoms from the series consisting of oxygen, sulphur and nitrogen, in each case optionally substituted by halogen, C₁-C₆-alkyl, C₁-C₆-halogenoalkyl, C₁-C₆-alkoxy, C₁-C₆-halogenoalkoxy, cyano or nitro,

B represents hydrogen, C₁-C₁₂-alkyl or C₁-C₈-alkoxy-C₁-C₆-alkyl, or

A, B and the carbon atom to which they are bonded represent C₃-C₁₀-cycloalkyl or C₅-C₁₀-cycloalkenyl in each of which a methylene group is optionally replaced by oxygen or sulphur and which are optionally substituted by C₁-C₈-alkyl, C₃-C₁₀-cycloalkyl, C₁-C₈-halogenoalkyl, C₁-C₈-alkoxy, C₁-C₈-alkylthio, halogen or phenyl, or

A, B and the carbon atom to which they are bonded represent C₅-C₆-cycloalkyl which is substituted by an alkylenediyl group which optionally contains one or two oxygen and/or sulphur atoms or by an alkylenedioxy or by an alkylenedithioly group, this group, together with the carbon atom to which it is bonded forming a further five to eight-membered ring, or

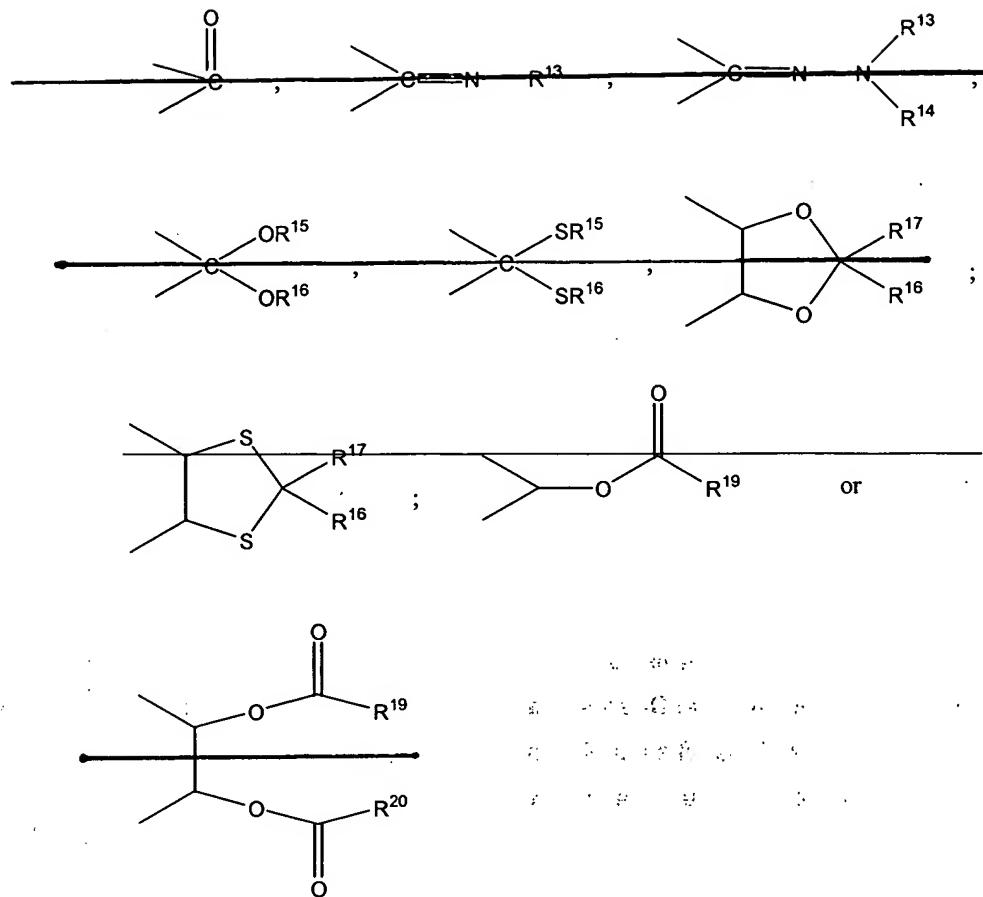
A, B and the carbon atom to which they are bonded represent C₃-C₈-cycloalkyl or C₅-C₈-cycloalkenyl in which two substituents together with the carbon atoms to which they are bonded represent C₃-C₆-alkanediyl, C₃-C₆-alkenediyl or C₄-C₆-alkanedienediyl, each of which is optionally substituted by C₁-C₆-alkyl, C₁-C₆-alkoxy or halogen and in which in each case one methylene group is optionally replaced by oxygen or sulphur,

D represents hydrogen, C₁-C₁₂-alkyl, C₃-C₈-alkenyl, C₃-C₈-alkinyl, C₁-C₁₀-alkoxy-C₂-C₈-

alkyl, poly-C1-C8-alkoxy-C2-C8-alkyl or C1-C10-alkylthio-C2-C8-alkyl, each of which is optionally substituted by halogen, or represents C3-C8-cycloalkyl which is optionally substituted by halogen, C1-C4-alkyl, C1-C4-alkoxy or C1-C4-halogenealkyl and in which one or two methylene groups which are not directly adjacent are optionally replaced by oxygen and/or sulphur, or represents phenyl, hetaryl having 5 to 6 ring atoms and one or two hetero atoms from the series consisting of oxygen, sulphur and nitrogen, phenyl-C1-C6-alkyl or hetaryl-C1-C6-alkyl having 5 to 6 ring atoms and one to two hetero atoms from the series consisting of oxygen, sulphur and nitrogen, in each case optionally substituted by halogen, C1-C6-alkyl, C1-C6-halogenealkyl, C1-C6-alkoxy, C1-C6-halogenealkoxy, cyano or nitro, or

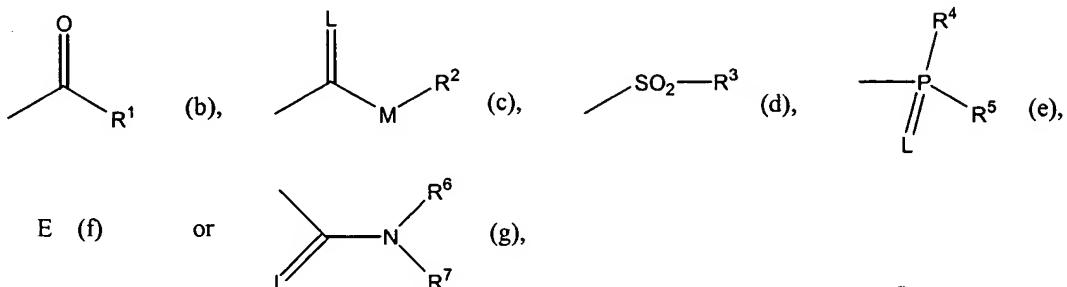
A and D together represent a C3-C6-alkanediyl, C3-C6-alkenediyl or C4-C6-alkanedienediyl group in each of which one methylene group is optionally replaced by oxygen or sulphur and which is in each case optionally substituted by halogen, hydroxyl, mercapto, or by C1-C10-alkyl, C1-C6-alkoxy, C1-C6-alkylthio, C3-C7-cycloalkyl, phenyl or benzyleoxy, each of which is optionally substituted by halogen, or by further C3-C6-alkanediyl, C3-C6-alkenediyl or C4-C6-alkanedienediyl group which forms a fused ring and in each of which one methylene group is optionally replaced by oxygen or sulphur and which is optionally substituted by C1-C6-alkyl or in which two adjacent substituents together with the carbon atoms to which they are bonded optionally form a further saturated or unsaturated carbocycle having 5 or 6 ring atoms, or

A and D together represent a C3-C6-alkanediyl or C3-C6-alkenediyl group each of which one of the following groups



— is optionally present;

G represents hydrogen (a),



in which

E represents a metal ion equivalent or an ammonium ion,

L represents oxygen or sulphur and

M represents oxygen or sulphur,

R¹ represents C₁-C₂₀-alkyl, C₂-C₂₀-alkenyl, C₁-C₈-alkoxy-C₁-C₈-alkyl, C₁-C₈-alkylthio-C₁-C₈-alkyl or poly-C₁-C₈-alkoxy-C₁-C₈-alkyl, each of which is optionally substituted by halogen, or represents C₃-C₈-cycloalkyl which is optionally substituted by halogen, C₁-C₆-alkyl or C₁-C₆-alkoxy and in which one or two methylene groups which are not directly adjacent are optionally replaced by oxygen and/or sulphur,

or represents phenyl which is optionally substituted by halogen, cyano, nitro, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₆-halogenoalkyl, C₁-C₆-halogenoalkoxy, C₁-C₆-alkylthio or C₁-C₆-alkylsulphonyl,

or represents phenyl-C₁-C₆-alkyl which is optionally substituted by halogen, nitro, cyano, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₆-halogenoalkyl or C₁-C₆-halogenoalkoxy,

or represents 5- or 6-membered hetaryl having one or two hetero atoms from the series consisting of oxygen, sulphur and nitrogen which is optionally substituted by halogen or C₁-C₆-alkyl,

or represents phenoxy-C₁-C₆-alkyl which is optionally substituted by halogen or C₁-C₆-alkyl,

or represents 5- or 6-membered hetaryl-C₁-C₆-alkyl having one or two hetero atoms from the series consisting of oxygen, sulphur and nitrogen which is optionally substituted by halogen, amino or C₁-C₆-alkyl,

R² represents C₁-C₂₀-alkyl, C₂-C₂₀-alkenyl, C₁-C₈-alkoxy-C₂-C₈-alkyl or poly-C₁-C₈-alkoxy-C₂-C₈-alkyl, each of which is optionally substituted by halogen,

or represents C₃-C₈-cycloalkyl which is optionally substituted by halogen, C₁-C₆-alkyl or C₁-C₆-alkoxy, or

represents phenyl or benzyl, each of which is optionally substituted by halogen, cyano, nitro, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₆-halogenoalkyl, C₁-C₆-halogenoalkoxy,

R³ represents C₁-C₈-alkyl which is optionally substituted by halogen, or represents phenyl or benzyl, each of which is optionally substituted by halogen, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₄-halogenoalkyl, C₁-C₄-halogenoalkoxy, cyano or nitro,

R⁴ and R⁵ independently of one another represent C₁-C₈-alkyl, C₁-C₈-alkoxy, C₁-C₈-alkylamino, di-(C₁-C₈-alkyl)amino, C₁-C₈-alkylthio or C₂-C₈-alkenylthio, each of which is optionally substituted by halogen, or represent phenyl, phenoxy or phenylthio, each of which is optionally substituted by halogen, nitro, cyano, C₁-C₄-alkoxy, C₁-C₄-halogenoalkoxy, C₁-C₄-alkylthio, C₁-C₄-halogenoalkylthio, C₁-C₄-alkyl or C₁-C₄-halogenoalkyl,

R⁶ and R⁷ independently of one another represent hydrogen, or represent C₁-C₈-alkyl, C₃-C₈-cycloalkyl, C₁-C₈-alkoxy, C₃-C₈-alkenyl or C₁-C₈-alkoxy-C₂-C₈-alkyl, each of which is optionally substituted by halogen, or represent phenyl or benzyl, each of which is optionally substituted by halogen, C₁-C₈-alkyl, C₁-C₈-halogenoalkyl or C₁-C₈-alkoxy, or together represent a C₃-C₆-alkylene radical which is optionally substituted by C₁-C₆-alkyl and in which one methylene group is optionally replaced by oxygen or sulphur,

R13 represents hydrogen, or represents C₁-C₈-alkyl or C₁-C₈-alkoxy, each of which is optionally substituted by halogen, or represents C₃-C₈-cycloalkyl which is optionally substituted by halogen, C₁-C₄-alkyl or C₁-C₄-alkoxy and in which one methylene group is optionally replaced by oxygen or sulphur, or represents phenyl, phenyl-C₁-C₄-alkyl or phenyl-C₁-C₄-alkoxy, each of which is optionally substituted by halogen, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₄-halogenoalkyl, C₁-C₄-halogenoalkoxy, nitro or cyano,

R14 represents hydrogen or C₁-C₈-alkyl or

R13 and R14 together represent C₄-C₆-alkanediyil,

~~R15 and R16 are identical or different and represent C1-C6 alkyl or~~

~~R15 and R16 together represent a C2-C4 alkanediyl radical which is optionally substituted by C1-C6 alkyl or by phenyl which is optionally substituted by halogen, C1-C4 alkyl, C1-C4-halogenealkyl, C1-C4 alkoxyl, C1-C4-halogenealkoxy, nitro or cyano,~~

~~R17 and R18 independently of one another represent hydrogen, or represent C1-C8 alkyl which is optionally substituted by halogen, or represent phenyl which is optionally substituted by halogen, C1-C6 alkyl, C1-C6 alkoxyl, C1-C4-halogenealkyl, C1-C4-halogenealkoxy, nitrogen or cyano, or~~

~~R17 and R18 together with the carbon atom to which they are bonded represent C5-C7 cycloalkyl which is optionally substituted by C1-C4 alkyl or C1-C4 alkoxyl and in which one methylene group is optionally replaced by oxygen or sulphur and~~

~~R19 and R20 independently of one another represent C1-C10 alkyl, C2-C10 alkenyl, C1-C10 alkoxyl, C1-C10 alkylamino, C3-C10 alkenylamino, di-(C1-C10 alkyl)amino or di-(C3-C10 alkenyl)amino.~~

Claim 3 (currently amended)

3. Compound of the formula (I) according to claim 1 in which

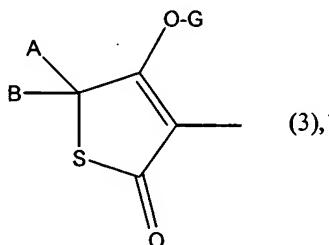
X represents fluorine, chlorine or bromine,

Y represents fluorine, chlorine, bromine or C₁-C₄-alkyl,

Z represents fluorine, chlorine, bromine or C₁-C₄-alkyl,

where always one of the substituents Y and Z represent halogen, while the other represents alkyl,

Het represents

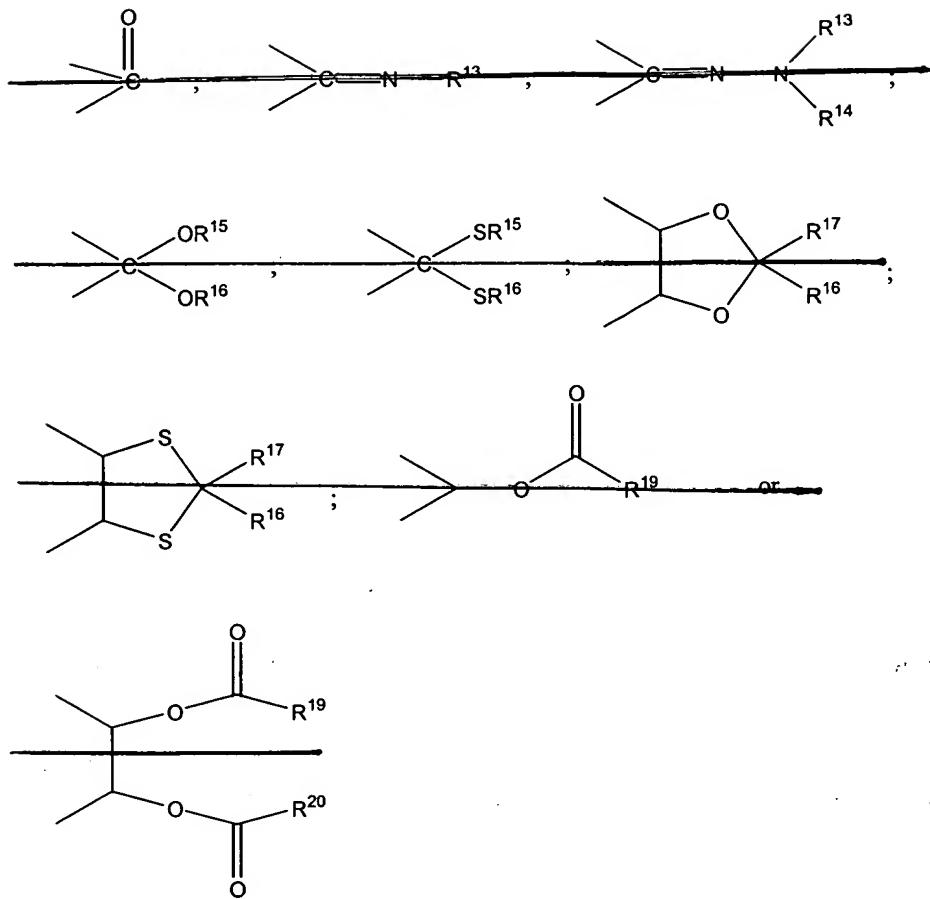


- A represents hydrogen, or represents C₁-C₁₀-alkyl, C₂-C₆-alkenyl, C₁-C₈-alkoxy-C₁-C₆-alkyl, poly-C₁-C₆-alkoxy-C₁-C₆-alkyl or C₁-C₈-alkylthio-C₁-C₆-alkyl, each of which is optionally substituted by fluorine or chlorine, or represents C₃-C₇-cycloalkyl which is optionally substituted by fluorine, chlorine, C₁-C₄-alkyl or C₁-C₄-alkoxy and in which one or two methylene groups which are not directly adjacent are optionally replaced by oxygen and/or sulphur, or represents phenyl, furanyl, pyridyl, imidazolyl, triazolyl, pyrazolyl, indolyl, thiazolyl, thienyl or phenyl-C₁-C₄-alkyl each of which is optionally substituted by fluorine, chlorine, bromine, C₁-C₄-alkyl, C₁-C₄-halogenoalkyl, C₁-C₄-alkoxy, C₁-C₄-halogenoalkoxy, cyano or nitro,
- B represents hydrogen, C₁-C₁₀-alkyl or C₁-C₆-alkoxy-C₁-C₄-alkyl, or
- A, B and the carbon atom to which they are bonded represent C₃-C₈-cycloalkyl or C₅-C₈-cycloalkenyl in each of which a methylene group is optionally replaced by oxygen or sulphur and which are optionally substituted by C₁-C₆-alkyl, C₃-C₈-cycloalkyl, C₁-C₃-halogenoalkyl, C₁-C₆-alkoxy, C₁-C₆-alkylthio, fluorine, chlorine or phenyl, or
- A, B and the carbon atom to which they are bonded represent C₅-C₆-cycloalkyl which is substituted by an alkylenediyi group which optionally contains one or two oxygen and/or sulphur atoms or by an alkylenedioxy or by an alkylenedithioyl group, this group, together with the carbon atom to which it is bonded forming a further five to seven-membered ring, or
- A, B and the carbon atom to which they are bonded represent C₃-C₆-cycloalkyl or C₅-C₆-cycloalkenyl in which two substituents together with the carbon atoms to which they are bonded represent C₃-C₅-alkanediyl, C₃-C₅-alkenediyi or butadienediyi, each of which is optionally substituted by C₁-C₅-alkyl, C₁-C₅-alkoxy, fluorine, chlorine or bromine and in which in each case one methylene group is optionally replaced by oxygen or sulphur,
- D represents hydrogen, C₁-C₁₀-alkyl, C₃-C₆-alkenyl, C₃-C₆-alkinyl, C₁-C₈-alkoxy-C₂-C₆-alkyl, poly-C₁-C₆-alkoxy-C₂-C₆-alkyl or C₁-C₈-alkylthio-C₂-C₆-alkyl, each of which is

optionally substituted by fluorine or chlorine, or represents C₃-C₇-cycloalkyl which is optionally substituted by fluorine, chlorine, C₁-C₄-alkyl, C₁-C₄-alkoxy or C₁-C₂-halogenealkyl and in which one or two methylene groups which are not directly adjacent are optionally replaced by oxygen and/or sulphur, or represents phenyl, furanyl, imidazolyl, pyridyl, thiazolyl, pyrazolyl, pyrimidyl, pyrrolyl, thienyl, triazolyl or phenyl-C₁-C₄-alkyl each of which is optionally substituted by fluorine, chlorine, bromine, C₁-C₄-alkyl, C₁-C₄-halogenealkyl, C₁-C₄-alkoxy, C₁-C₄-halogenealkoxy, cyano or nitro, or

A and D together represent a C₃-C₅-alkanediyl or C₃-C₅-alkenediyl group in each of which one methylene group is optionally replaced by oxygen or sulphur and which is in each case optionally substituted by fluorine, chlorine, hydroxyl, mercapto, or by C₁-C₆-alkyl, C₁-C₄-alkoxy, C₁-C₄-alkylthio, C₃-C₆-cycloalkyl, phenyl or benzylxy, each of which is optionally substituted by fluorine or chlorine, or

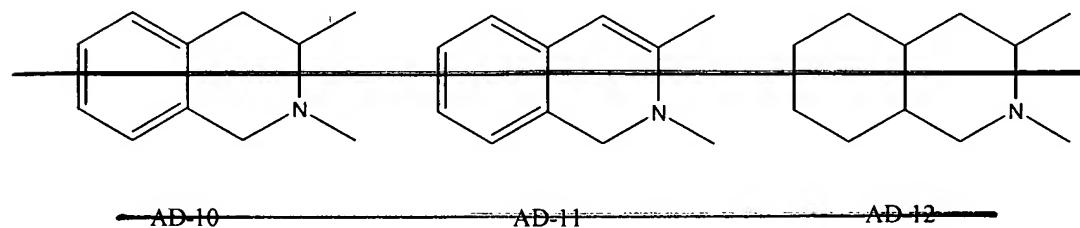
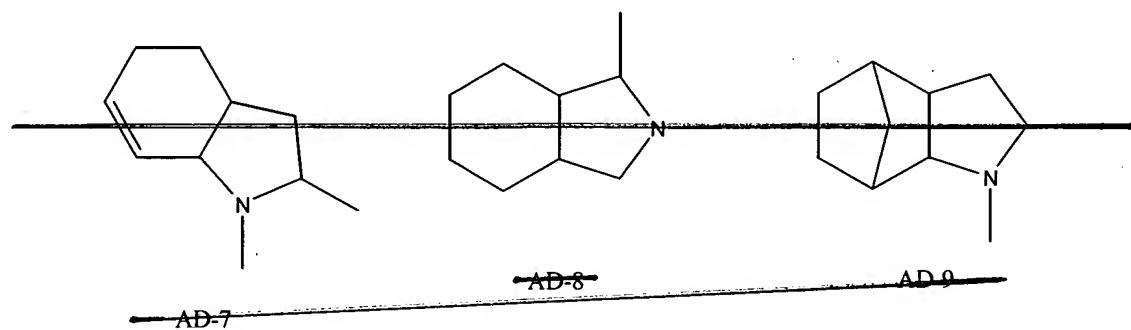
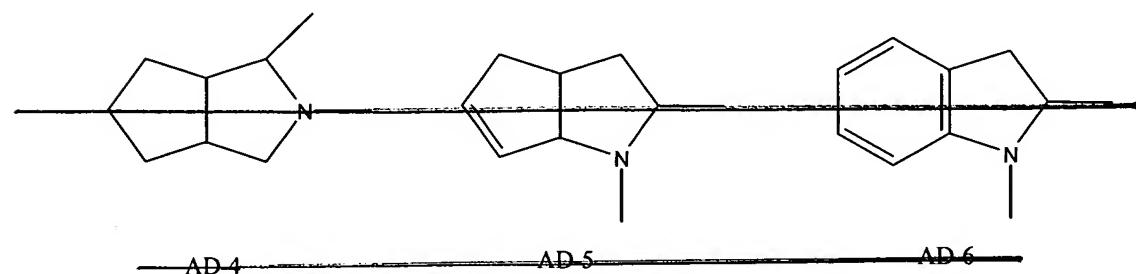
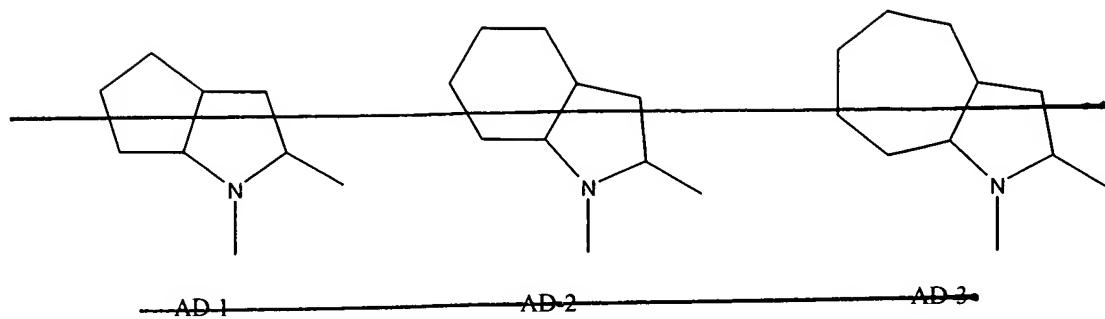
in which in each case one of the following groups

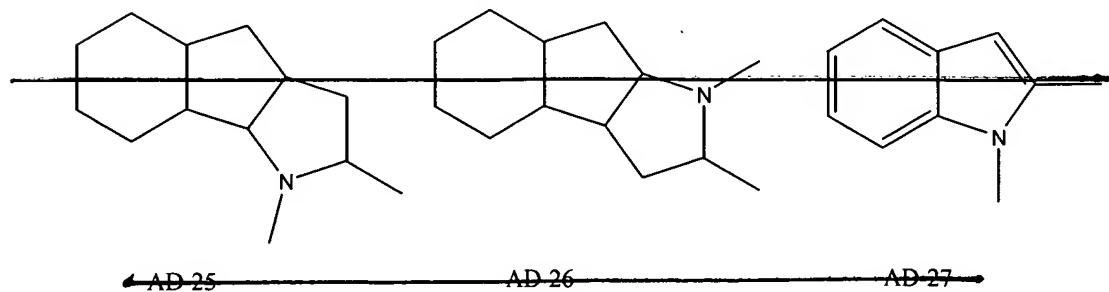
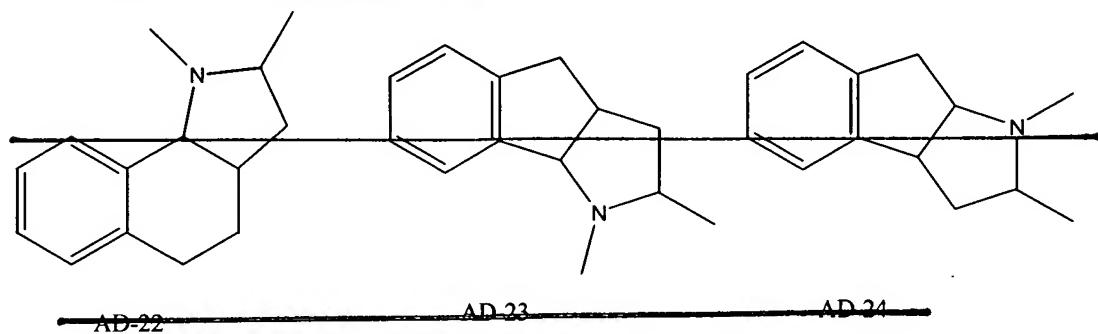
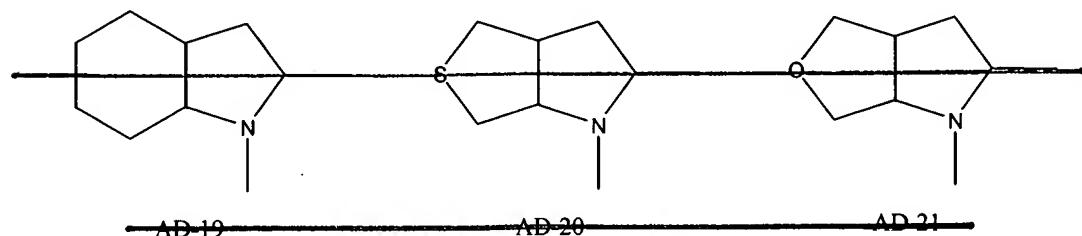
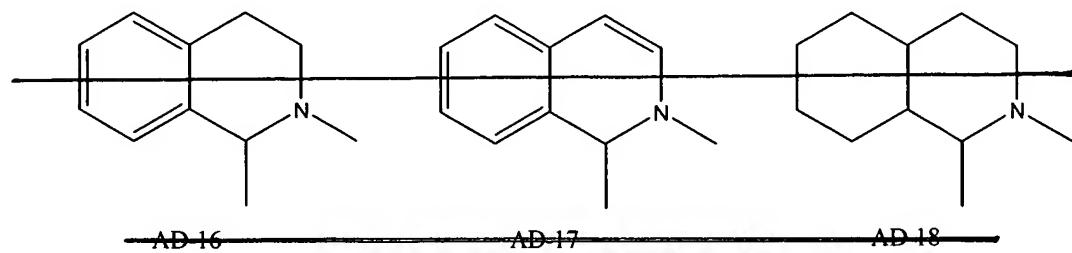
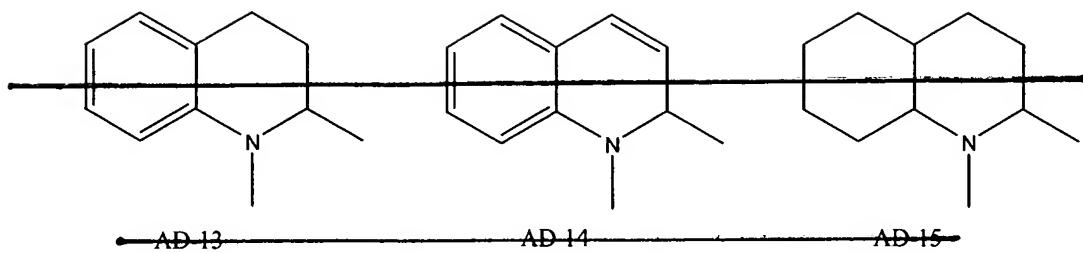


is optionally present;

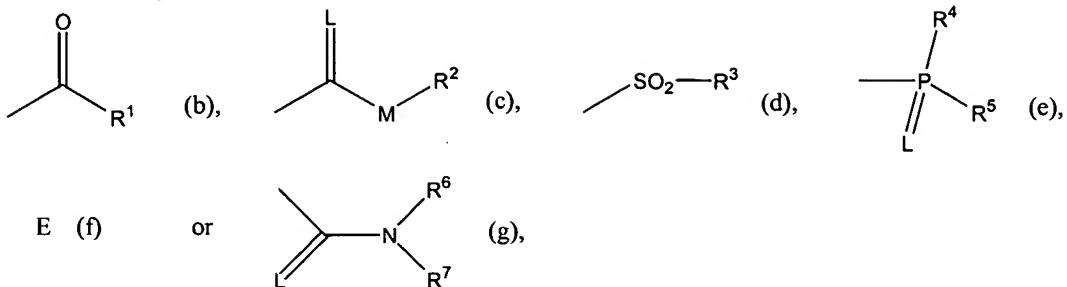
or A and D (in the case of the compounds of formula (I-1)) together with the atoms to which they are bonded represent one of the groups AD-1 to AD-27

Bayer 9962.3-HCL
100717-515
Le A 31 023 US-03





G represents hydrogen (a),



in which

E represents a metal ion equivalent or an ammonium ion,

L represents oxygen or sulphur and

M represents oxygen or sulphur,

R¹ represents C₁-C₁₆-alkyl, C₂-C₁₆-alkenyl, C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-alkylthio-C₁-C₆-alkyl or poly-C₁-C₆-alkoxy-C₁-C₆-alkyl, each of which is optionally substituted by fluorine or chlorine, or represents C₃-C₇-cycloalkyl which is optionally substituted by fluorine, chlorine, C₁-C₅-alkyl or C₁-C₅-alkoxy and in which one or two methylene groups which are not directly adjacent are optionally replaced by oxygen and/or sulphur,

or represents phenyl which is optionally substituted by fluorine, chlorine, bromine, cyano, nitro, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₃-halogenoalkyl, C₁-C₃-halogenoalkoxy, C₁-C₄-alkylthio or C₁-C₄-alkylsulphonyl,

or represents phenyl-C₁-C₄-alkyl which is optionally substituted by fluorine, chlorine, bromine, nitro, cyano, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₃-halogenoalkyl or C₁-C₃-halogenoalkoxy,

or represents pyrazolyl, thiazolyl, pyridyl, pyrimidyl, furanyl or thiienyl, each of which is

optionally substituted by fluorine, chlorine, bromine or C₁-C₄-alkyl,

or represents phenoxy-C₁-C₅-alkyl which is optionally substituted by fluorine, chlorine, bromine or C₁-C₄-alkyl,

or represents pyridyloxy-C₁-C₅-alkyl, pyrimidyloxy-C₁-C₅-alkyl or thiazolyloxy-C₁-C₅-alkyl, each of which is optionally substituted by fluorine, chlorine, bromine, amino or C₁-C₄-alkyl,

R² represents C₁-C₁₆-alkyl, C₂-C₁₆-alkenyl, C₁-C₆-alkoxy-C₂-C₆-alkyl or poly-C₁-C₆-alkoxy-C₂-C₆-alkyl, each of which is optionally substituted by fluorine or chlorine,

or represents C₃-C₇-cycloalkyl which is optionally substituted by fluorine, chlorine, C₁-C₄-alkyl or C₁-C₄-alkoxy, or

represents phenyl or benzyl, each of which is optionally substituted by fluorine, chlorine, bromine, cyano, nitro, C₁-C₃-alkyl, C₁-C₃-alkoxy, C₁-C₃-halogenoalkyl, C₁-C₃-halogenoalkoxy,

R³ represents C₁-C₆-alkyl which is optionally substituted by fluorine or chlorine, or represents phenyl or benzyl, each of which is optionally substituted by fluorine, chlorine, bromine, C₁-C₅-alkyl, C₁-C₅-alkoxy, C₁-C₃-halogenoalkyl, C₁-C₃-halogenoalkoxy, cyano or nitro,

R⁴ and R⁵ independently of one another represent C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₆-alkylamino, di-(C₁-C₆-alkyl)amino, C₁-C₆-alkylthio or C₃-C₄-alkenythio, each of which is optionally substituted by fluorine or chlorine, or represent phenyl, phenoxy or phenylthio, each of which is optionally substituted by fluorine, chlorine, bromine, nitro, cyano, C₁-C₃-alkoxy, C₁-C₃-halogenoalkoxy, C₁-C₃-alkylthio, C₁-C₃-halogenoalkylthio, C₁-C₃-alkyl or C₁-C₃-halogenoalkyl,

R⁶ and R⁷ independently of one another represent hydrogen, or represent C₁-C₆-alkyl, C₃-C₆-cycloalkyl, C₁-C₆-alkoxy, C₃-C₆-alkenyl or C₁-C₆-alkoxy-C₂-C₆-alkyl, each of which is optionally substituted by fluorine or chlorine, or represent phenyl or benzyl, each of which is optionally substituted by fluorine, chlorine, bromine, C₁-C₅-alkyl, C₁-C₅-halogenoalkyl or

C₁-C₅-alkoxy, or together represent a C₃-C₆-alkylene radical which is optionally substituted by C₁-C₄-alkyl and in which one methylene group is optionally replaced by oxygen or sulphur,

R13—represents hydrogen, or represents C₁-C₆-alkyl or C₁-C₆-alkoxy, each of which is optionally substituted by fluorine or chlorine, or represents C₃-C₇-cycloalkyl which is optionally substituted by fluorine, C₁-C₂-alkyl or C₁-C₂-alkoxy and in which one methylene group is optionally replaced by oxygen or sulphur, or represents phenyl, phenyl-C₁-C₃-alkyl or phenyl-C₁-C₂-alkoxy, each of which is optionally substituted by fluorine, chlorine, bromine, C₁-C₅-alkyl, C₁-C₅-alkoxy, C₁-C₂-halogenealkyl, C₁-C₂-halogenealkoxy, nitro or cyano,

R14—represents hydrogen or C₁-C₆-alkyl or

R13 and R14 together represent C₄-C₆-alkanediyl,

R15 and R16 are identical or different and represent C₁-C₄-alkyl or

R15 and R16 together represent a C₂-C₃-alkanediyl radical which is optionally substituted by C₁-C₄-alkyl or by phenyl which is optionally substituted by fluorine, chlorine, bromine, C₁-C₂-alkyl, C₁-C₂-halogenealkyl, C₁-C₂-alkoxy, C₁-C₂-halogenealkoxy, nitro or cyano,

R17 and R18 independently of one another represent hydrogen, or represent C₁-C₈-alkyl which is optionally substituted by fluorine or chlorine, or represent phenyl which is optionally substituted by fluorine, chlorine, bromine, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₂-halogenealkyl, C₁-C₂-halogenealkoxy, nitrogen or cyano, or

R17 and R18 together with the carbon atom to which they are bonded represent C₅-C₆-cycloalkyl which is optionally substituted by C₁-C₃-alkyl or C₁-C₃-alkoxy and in which one methylene group is optionally replaced by oxygen or sulphur and

R19 and R20 independently of one another represent C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₆-alkoxy, C₁-C₆-alkylamine, C₃-C₆-alkenylamine, di-(C₁-C₆-alkyl)amino or di-(C₃-C₆-

alkenyl)amine.

Claim 4 (currently amended)

4. Compound of the formula (I) according to claim 1 in which

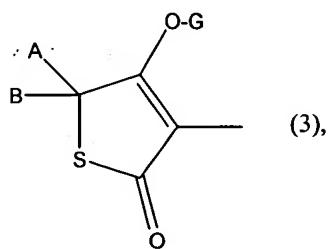
X represents fluorine, chlorine or bromine,

Y represents fluorine, chlorine, bromine, methyl, ethyl, n-propyl or iso-propyl,

Z represents fluorine, chlorine, bromine, methyl, ethyl, n-propyl or iso-propyl,

where always one of the substituents Y and Z represent halogen, while the other represents alkyl,

Het represents



A represents hydrogen, or represents C₁-C₈-alkyl, C₂-C₆-alkenyl, C₁-C₆-alkoxy-C₁-C₄-alkyl, poly-C₁-C₄-alkoxy-C₁-C₄-alkyl or C₁-C₆-alkylthio-C₁-C₄-alkyl, each of which is optionally substituted by fluorine or chlorine, or represents C₃-C₆-cycloalkyl which is optionally substituted by fluorine, chlorine, methyl or methoxy and in which one or two methylene groups which are not directly adjacent are optionally replaced by oxygen and/or sulphur, or represents phenyl, pyridyl or benzyl, each of which is optionally substituted by fluorine, chlorine, bromine, methyl, ethyl, n-propyl, iso-propyl, methoxy, ethoxy, trifluoromethyl, trifluoromethoxy, cyano or nitro,

B represents hydrogen, C₁-C₈-alkyl or C₁-C₄-alkoxy-C₁-C₂-alkyl, or

A, B and the carbon atom to which they are bonded represent C₃-C₈-cycloalkyl or C₅-C₈-cycloalkenyl in each of which a methylene group is optionally replaced by oxygen or sulphur and which are optionally substituted by methyl, ethyl, n-propyl, iso-propyl, butyl, iso-butyl, sec-butyl, tert-butyl, cyclohexyl, trifluoromethyl, methoxy, ethoxy, n-propoxy, iso-propoxy, butoxy, iso-butoxy, sec-butoxy, tert-butoxy, methylthio, ethylthio, fluorine, chlorine or phenyl, or

A, B and the carbon atom to which they are bonded represent C₅-C₆-cycloalkyl which is substituted by an alkylatediy group which optionally contains one or two oxygen and/or sulphur atoms or by an alkylatedioxy group, this alkylatediy or alkylatedioxy group together with the carbon atom to which it is bonded forming a further five to six-membered ring, or

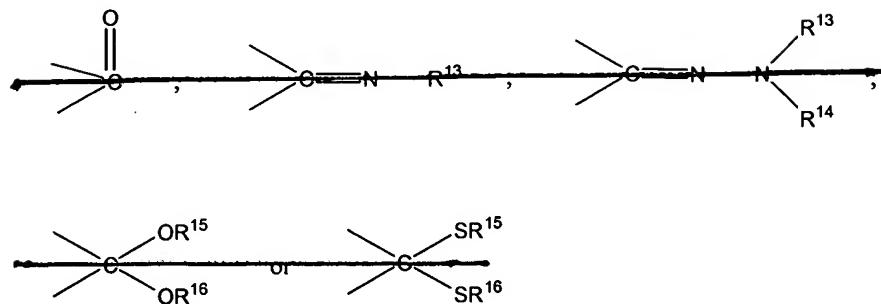
A, B and the carbon atom to which they are bonded represent C₃-C₆-cycloalkyl or C₅-C₆-cycloalkenyl in which two substituents together with the carbon atoms to which they are bonded represent C₃-C₄-alkanediyl, C₃-C₄-alkenediyl or butadienediyl, in each case one methylene group is optionally replaced by oxygen or sulphur,

D represents hydrogen, C₁-C₈-alkyl, C₃-C₄-alkenyl, C₃-C₄-alkinyl, C₁-C₆-alkoxy-C₂-C₄-alkyl, poly-C₁-C₄-alkoxy-C₂-C₄-alkyl or C₁-C₄-alkylthio-C₂-C₄-alkyl or C₃-C₆-cycloalkyl in which one or two methylene groups which are not directly adjacent are optionally replaced by oxygen and/or sulphur, in each case optionally substituted by fluorine or chlorine, or represents phenyl, furanyl, pyridyl, thienyl, or benzyl, each of which is optionally substituted by fluorine, chlorine, bromine, methyl, ethyl, n-propyl, iso-propyl, methoxy, ethoxy, trifluoromethyl, trifluoromethoxy, cyano or nitro,

or

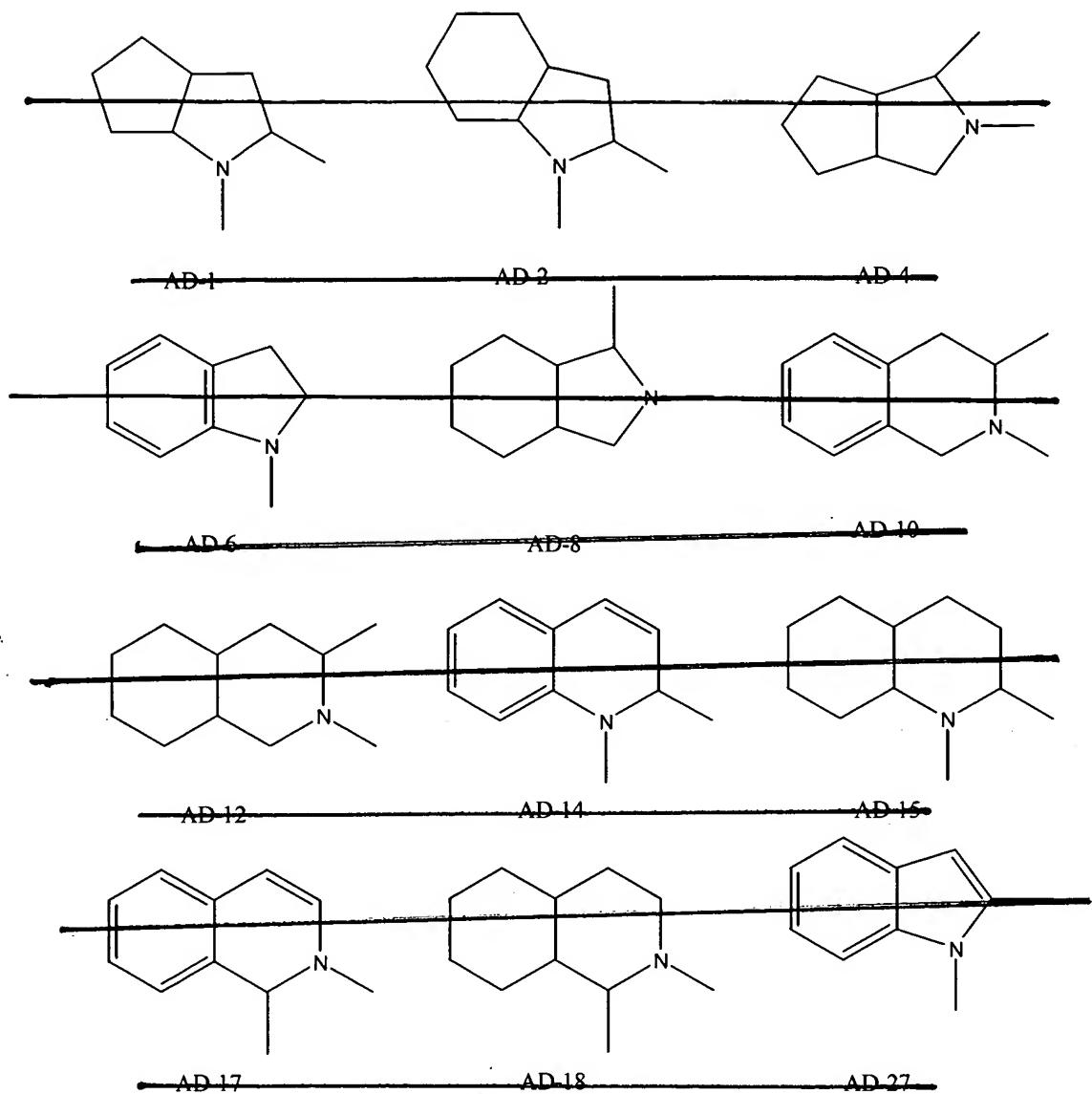
A and D together represent a C₃-C₅-alkanediyl or C₃-C₅-alkenediyl group in each of which one methylene group is optionally replaced by oxygen or sulphur and which are optionally substituted by fluorine, chlorine, hydroxyl, mercapto, or by C₁-C₆-alkyl, C₁-C₄-alkoxy, C₁-C₄-alkylthio, C₃-C₆-cycloalkyl, phenyl or benzyloxy, each of which is optionally substituted by fluorine or chlorine, or

in which in each case one of the following groups

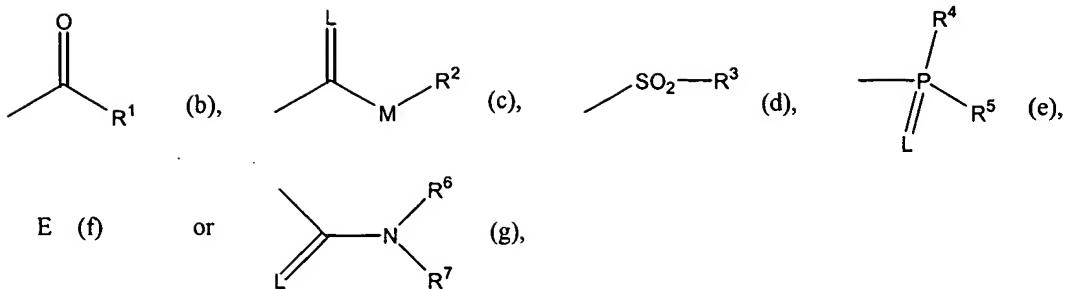


is optionally present;

or A and D (in the case of the compounds of formula (I-1)) together with the atoms to which they are bonded represent one of the following groups:



G represents hydrogen (a),



in which

E represents a metal ion equivalent or an ammonium ion,

L represents oxygen or sulphur and

M represents oxygen or sulphur,

R¹ represents C₁-C₁₄-alkyl, C₂-C₁₄-alkenyl, C₁-C₄-alkoxy-C₁-C₆-alkyl, C₁-C₄-alkylthio-C₁-C₆-alkyl or poly-C₁-C₄-alkoxy-C₁-C₄-alkyl, each of which is optionally substituted by fluorine or chlorine, or represents C₃-C₆-cycloalkyl which is optionally substituted by fluorine, chlorine, methyl, ethyl, n-propyl, iso-propyl, b-butyl, i-butyl, tert-butyl, methoxy, ethoxy, n-propoxy or iso-propoxy and in which one or two methylene groups which are not directly adjacent are optionally replaced by oxygen and/or sulphur,

or represents phenyl which is optionally substituted by fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, n-propyl, i-propyl, methoxy, ethoxy, trifluoromethyl, trifluoromethoxy, methylthio, ethylthio, methylsulphonyl or ethylsulphonyl,

or represents benzyl which is optionally substituted by fluorine, chlorine, bromine, methyl, ethyl, n-propyl, i-propyl, methoxy, ethoxy, trifluoromethyl or trifluoromethoxy,

or represents furanyl, thienyl or pyridyl, each of which is optionally substituted by fluorine, chlorine, bromine, methyl or ethyl,

or represents phenoxy-C₁-C₄-alkyl which is optionally substituted by fluorine, chlorine, methyl or ethyl, or

represents pyridyloxy-C₁-C₄-alkyl, pyrimidyloxy-C₁-C₄-alkyl or thiazolyloxy-C₁-C₄-alkyl,
each of which is optionally substituted by fluorine, chlorine, bromine, methyl or ethyl,

R² represents C₁-C₁₄-alkyl, C₂-C₁₄-alkenyl, C₁-C₄-alkoxy-C₂-C₆-alkyl or poly-C₁-C₄-alkoxy-C₂-C₆-alkyl, each of which is optionally substituted by fluorine or chlorine,

or represents C₃-C₆-cycloalkyl which is optionally substituted by fluorine, chlorine, cyano, nitro, methyl, ethyl, n-propyl, iso-propyl or methoxy, ethoxy, trifluoromethyl or trifluoromethoxy, or

represents phenyl or benzyl, each of which is optionally substituted by fluorine, chlorine, methyl, ethyl, n-propyl, iso-propyl or methoxy, cyano, nitro, ethoxy, trifluoromethyl or trifluoromethoxy,

R³ represents methyl, ethyl, propyl or isopropyl, each of which is optionally substituted by fluorine or chlorine, or represents phenyl or benzyl, each of which is optionally substituted by fluorine, chlorine, bromine, methyl, ethyl, propyl, iso-propyl, tert-butyl, methoxy, ethoxy, isopropoxy, tert-butoxy, trifluoromethyl, trifluoromethoxy, cyano or nitro,

R⁴ and R⁵ independently of one another represent C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₄-alkylamino, di-(C₁-C₄-alkyl)amino or C₁-C₄-alkylthio, each of which is optionally substituted by fluorine or chlorine, or represent phenyl, phenoxy or phenylthio, each of which is optionally substituted by fluorine, chlorine, bromine, nitro, cyano, methyl, methoxy, trifluoromethyl or trifluoromethoxy,

R⁶ and R⁷ independently of one another represent hydrogen, or represent C₁-C₄-alkyl, C₃-C₆-cycloalkyl, C₁-C₄-alkoxy, C₃-C₄-alkenyl or C₁-C₄-alkoxy-C₂-C₄-alkyl, each of which is optionally substituted by fluorine or chlorine, or represent phenyl or benzyl, each of which is optionally substituted by fluorine, chlorine, bromine, methyl, methoxy or trifluoromethyl, or together represent a C₅-C₆-alkylene radical which is optionally substituted by methyl or ethyl and in which one methylene groups is optionally replaced by oxygen or sulphur,

R¹³—represents hydrogen, or represents C₁-C₄-alkyl or C₁-C₄-alkoxy, each of which is

optionally substituted by fluorine or chlorine, or represents C3-C6-cycloalkyl which is optionally substituted by fluorine or chlorine, or represents C3-C6-cycloalkyl, or represents phenyl, phenyl-C1-C2-alkyl or benzyloxy, each of which is optionally substituted by fluorine, chlorine, bromine, methyl, ethyl, iso-propyl, tert-butyl, methoxy, ethoxy, iso-propoxy, tert-butoxy, trifluoromethyl, trifluoromethoxy, nitro or cyano,

R14 represents hydrogen or C1-C4-alkyl, or

R13 and R14 together represent C4-C6-alkanediyl,

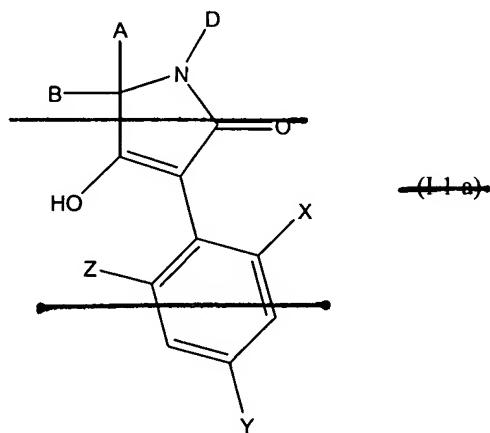
R15 and R16 are identical or different and represent methyl or ethyl, or

R15 and R16 together represent a C2-C3-alkanediyl radical which is optionally substituted by methyl, ethyl, n-propyl, iso-propyl, n-butyl, iso-butyl, sec-butyl or tert-butyl, or by phenyl which is optionally substituted by fluorine, chlorine, methoxy, trifluoromethyl, trifluoromethoxy, nitro or cyano.

Claim 5 (currently amended)

5. Process for the preparation of compounds of the formula (I) according to Claim 1, characterized in that

(A) compounds of the formula (I-1-a)

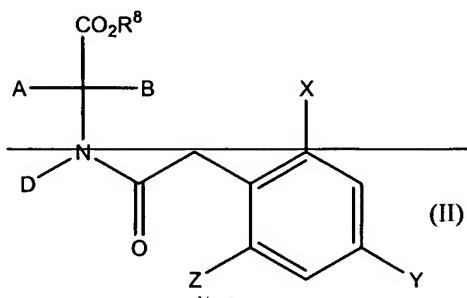


in which

~~A, B, D, X, Y and Z have the abovementioned meanings,~~

~~are obtained when~~

~~compounds of the formula (II)~~



in which

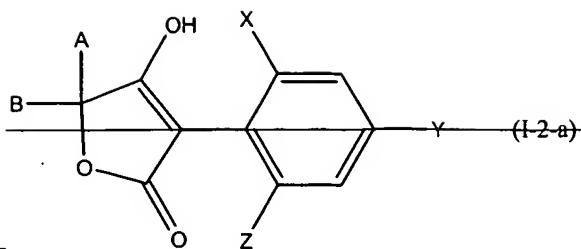
~~A, B, D, X, Y and Z have the abovementioned meanings,~~

and

~~R8 represent alkyl,~~

~~are subjected to intramolecular condensation in the presence of a diluent and in the presence of a base;~~

~~(B) compounds of the formula (I-2-a)~~

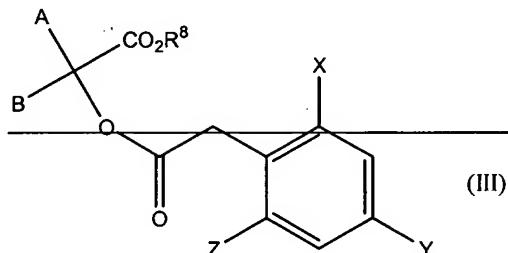


in which

A, B, X, Y and Z have the abovementioned meanings,

are obtained when

compounds of the formula (III)

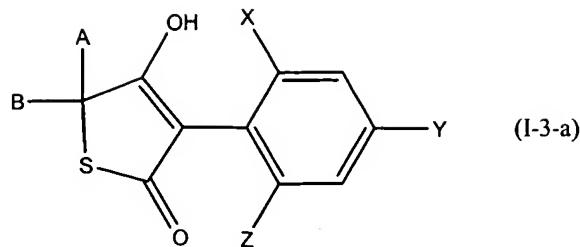


in which

A, B, X, Y, Z and R⁸ have the abovementioned meanings,

are subjected to intramolecular condensation in the presence of a diluent and in the presence of a base,

(C) compounds a compound of the formula (I-3-a)

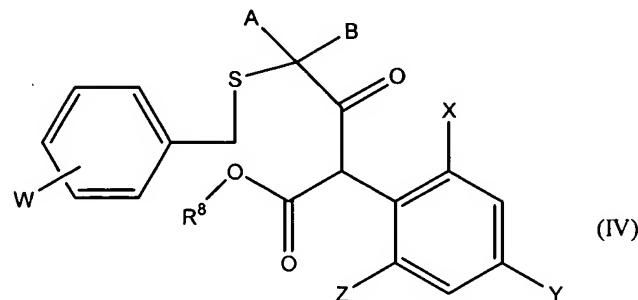


in which

A, B, X, Y and Z have the abovementioned meanings are as defined in claim 1,

are obtained when

compounds a compound of the formula (IV)



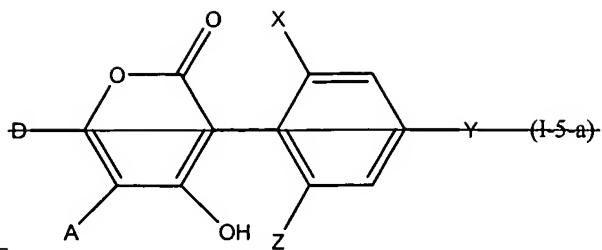
in which

A, B, X, Y, Z and R⁸ have the abovementioned meanings are as defined in claim 1 and

W represents hydrogen, halogen, alkyl or alkoxy,

are subjected to intramolecular cyclization, if appropriate optionally in the presence of a diluent and in the presence of an acid,

(E) — compound of the formula (I-5-a)

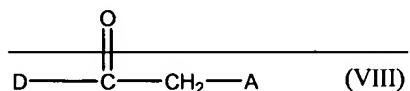


in which

A, D, X, Y and Z have the abovementioned meanings,

are obtained when

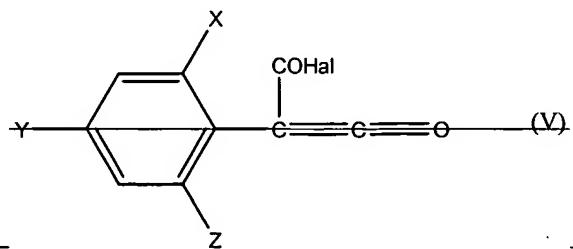
compounds of the formula (VIII)



in which

A and D have the abovementioned meanings,

are reacted with compounds of the formula (V)



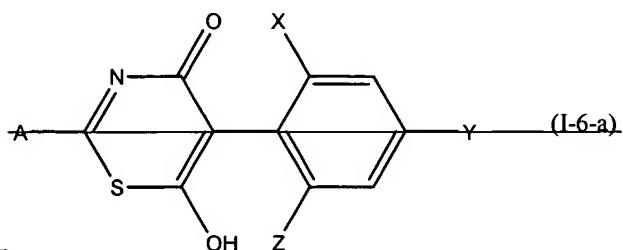
in which

X, Y and Z have the abovementioned meanings and

— Hal — represents halogen;

if appropriate in the presence of a diluent and if appropriate in the presence of an acid acceptor;

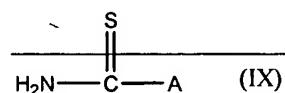
— (F) — the compounds of the formula (I-6-a)



— in which

— A, X, Y and Z have the abovementioned meanings,

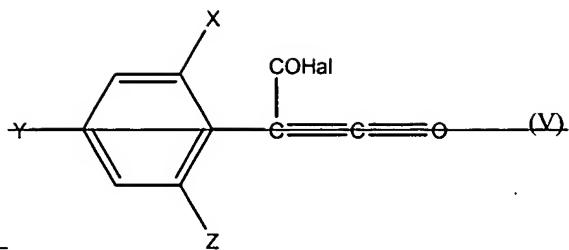
— are obtained when compounds of the formula (IX)



— in which

— A — has the abovementioned meaning,

— are reacted with compounds of the formula (V)

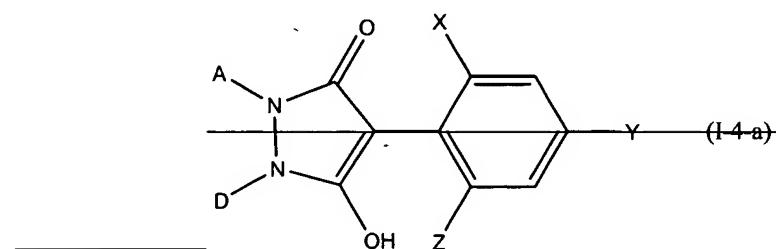


in which

~~Hal, X, Y and Z have the abovementioned meanings,~~

~~if appropriate in the presence of a diluent and if appropriate in the presence of an acid acceptor;~~

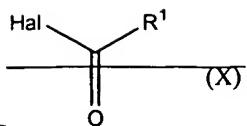
~~and, if appropriate, the resulting compounds of the formulae (I-1-a), (I-2-a) to (I-3-a), (I-5-a) and (I-6-a), or compounds of the formula (I-4-a)~~



in which

~~A, D, X, Y and Z have the abovementioned meanings, are in each case reacted~~

~~(G) a with acid halides of the formula (X)~~



in which

R¹ has the abovementioned meaning and

Hal represents halogen

or

β) with carboxylic anhydrides of the formula (XI)



in which

R¹ has the abovementioned meaning,

if appropriate in the presence of a diluent and if appropriate in the presence of an acid-binding agent,

or

(H) are reacted with chloroformic esters or chloroformic thioesters of the formula (XII)



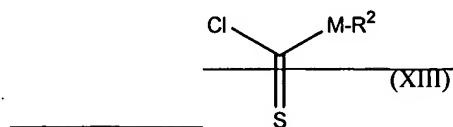
in which

R² and M have the abovementioned meanings,

if appropriate in the presence of a diluent and if appropriate in the presence of an acid-binding agent,

or

(II) α) are reacted with chloromonothioformic esters or chlorodithioformic esters of the formula (XIII)



in which

M and R² have the abovementioned meanings,

if appropriate in the presence of a diluent and if appropriate in the presence of an acid-binding agent,

or

β) are reacted with carbon disulphide and subsequently with compounds of the formula (XIV)



in which

R² has the abovementioned meanings and
Hal represents chlorine, bromine or iodine,

if appropriate in the presence of a diluent and if appropriate in the presence of a base,

— or —

(J) are reacted with sulphonyl chlorides of the formula (XV)



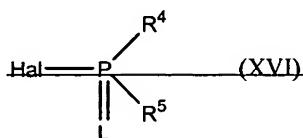
in which

R₃ has the abovementioned meaning,

if appropriate in the presence of a diluent and if appropriate in the presence of an acid-binding agent,

or

(K) are reacted with phosphorus compounds of the formula (XVI).



in which

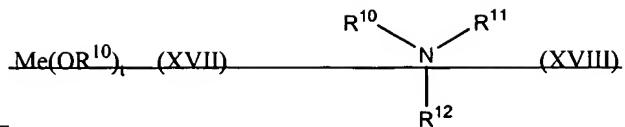
L, R₄ and R₅ have the abovementioned meanings and

Hal represents halogen,

if appropriate in the presence of a diluent and if appropriate in the presence of an acid-binding agent,

or

(L) are reacted with metal compounds or amines of the formulae (XVII) or (XVIII)



~~in which~~

Me represents a mono- or divalent metal.

t represents the number 1 or 2 and

R10, R11 and R12 independently of one another represent hydrogen or alkyl,

~~if appropriate in the presence of a diluent,~~

or

(M) a) are reacted with isocyanates or isothiocyanates of the formula (XIX)



~~in which~~

R6 and L have the abovementioned meanings.

~~if appropriate in the presence of a diluent and if appropriate in the presence of a catalyst, or~~

β) — are reacted with carbamoyl chlorides or thiocarbamoyl chlorides of the formula (XX)



in which

L, R6 and R7 have the abovementioned meanings,

if appropriate in the presence of a diluent and if appropriate in the presence of an acid-binding agent.

Claims 6-21 (cancelled)

Claims 22 (previously presented)

22. A pesticidal composition comprising a pesticidally effective amount of at least one compound according to claim 1 and an extender or surface-active agent or mixture thereof.

Claim 23 (previously presented)

23. A herbicidal composition comprising a herbicidally effective amount of at least one compound according to claim 1 and an extender or surface-active agent or mixture thereof.

Claim 24 (previously presented)

24. A method of combatting pests comprising applying to pests and/or their environment a pesticidally effective amount of at least one compound according to claim 1.

Claim 25 (previously presented)

25. A method of combatting weeds comprising applying to weeds and/or their environment a herbicidally effective amount of at least one compound according to claim 1.

Claim 26 (previously presented)

26. A process for preparing a pesticidal composition or a herbicidal composition, said process comprising mixing an effective amount thereof of at least one compound according to claim 1

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with an extender or surface-active agent or mixture thereof.